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Rates Paid for Custom Work in South Dakota

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Rates Paid for Custom Work In South Dakota

SEP 10 1968

Increased investment in machinery on farms and ranches today causes many operators to consider hiring some of their work done in an effort to reduce the amount of money tied up in machinery. Custom hire enables farmers to obtain the benefits of high cost, specialized machines without incurring the ownership costs that are difficult to justify on the basis of low annual use.

Owners of these machines and those who hire the use of them are interested in knowing what rates are fair to both parties. One guide is the typical or customary rates that are currently being charged. This publication was developed to show average rates, the rates most frequently reported, and ranges in rates for the major custom operations performed on farms and ranches in the state. These are shown first for the state as a whole, and also for the seven economic areas of the state. The counties comprising each economic area have similar agricultural, demographic, and climatic conditions; therefore, these areas provide a logical breakdown to analyze custom rates.

Custom rate information was compiled by means of a detailed questionnaire mailed to county agricultural agents, custom machine operators, and agricultural related businesses throughout the state.

CUSTOM RATES

Custom rates reported in Tables 1 and 2 include the charges made for the use of the machine, the time of the operator, necessary mechanical power, other supplies furnished—such as tractor fuel, wire or twine for the baler—plus an allowance for risk and overhead. The cost of any material applied (such as seed, chemicals, or fertilizer) is not included.

The range shown for each operation indicates that custom rates vary considerably when viewed on a state-wide basis. Generally speaking, the lowest rates are found in the western and central part of the state, which are well suited to extensive operations involving larger machinery. Slightly higher rates are generally found in the eastern one-third of the state where fields are smaller, the terrain more rolling, and the equipment more adaptable to smaller acreages. There are, however, exceptions in all areas of the state. Variations in rates are often influenced by the time required to perform the operation. This in turn often depends on the following:

1. Size, shape, and topography of field.
2. Differences in size and type of equipment.
3. Crop condition and yield.
4. Weather during the season.
5. Competition for custom work in area.
6. Distance to job.
7. Profits expected by custom operator.

The number of reports received for each custom operation on a state-wide basis is also included in Tables 1 and 2, and by comparison, reflects the extent of custom hire for the different farm operations. In certain economic areas there was no "most frequent rate" for a very limited number of custom operations. All rates reported from these areas were different. In these cases, the median rate was selected.

It should also be recognized that various tillage, planting, and harvesting operations exist in South Dakota, depending upon the major crops grown in each area. For this reason, the same specific operations were not reported for all economic areas.

Due to the wide variation in rates reported for some operations, the state and area averages may not be typical of any particular local situation. In these cases, the most frequent rate reported would perhaps be more representative of many localities. This report makes no attempt to evaluate the fairness of rates currently being charged, nor is it an attempt to establish custom rates for any area of the state. It should be used only as a guide in arriving at a rate agreeable to the custom operator and the farmer who hires his services.

FIGURING CUSTOM RATES

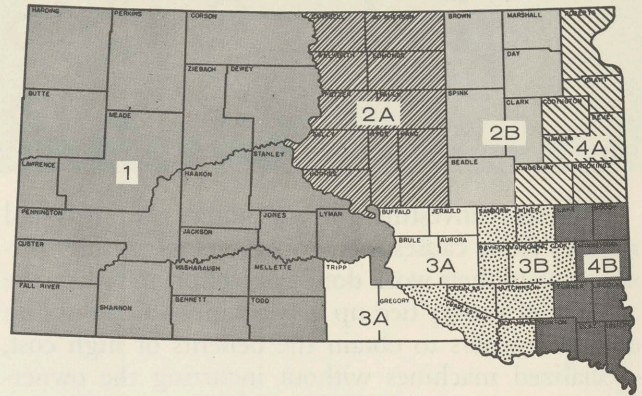
Often farmers have to determine custom rates for new or unusual custom jobs when there are no prevailing market rates for these operations. A procedure that can be used in determining these rates is included in this publication. It can also be used to evaluate the fairness of existing rates. Ownership and operating costs must be taken into account in this procedure. Ownership costs quite obviously result from owning something. Depreciation, interest on investment, repairs, taxes, insurance, and housing represent ownership costs. These are costs that are incurred to a large degree whether the machine is used to the fullest extent or allowed to remain idle. Repairs also have some operating cost characteristics since they normally increase as annual use increases. However for this analysis, repair costs are considered

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an expense of owning the machine and expressed as a percentage of the original cost.

Operating costs include fuel, oil, grease, and other out-of-pocket expenses for minor maintenance. A value is also placed on operator labor, since it is assumed that this labor could profitably be used in some other enterprise if the operator were not doing custom work. Total ownership and operating costs should be increased 10 to 15% to allow for risk, uncertainty, and a profit margin in arriving at a fair and equitable custom charge.

Detailed information concerning fixed and variable costs used in this analysis may be found in EC 664, "Machinery Costs—Own, Lease, or Custom Hire."



South Dakota Economic Areas

HOW TO ESTIMATE CUSTOM RATES

A. Ownership (fixed) cost per unit (acre, bushel, ton, hour)

Depreciation: $\frac{\text{original cost minus salvage value}}{\text{estimated life}}$ Power \$

Implement

Interest: Estimate at 5 to 7% x $\frac{\text{original cost}^*}{2}$ Power

Implement

Repairs: Estimate at 3 to 5% of original cost Power

Implement

Taxes, Insurance, Housing: Estimate at 1½ to 2½% of original cost Power

Implement

TOTAL ANNUAL OWNERSHIP COST

Ownership cost per unit: Total annual ownership cost divided by estimated annual use (acre, bushel, ton, hour) (A) \$

B. Operating (variable) cost per unit (acre, bushel, ton, hour)

Tractor: Gas, oil, maintenance—Gal. gas per hour x price x 1.15†

Machine: Gas, oil, maintenance—Gal. gas per hour x price x 1.15†

Operator Labor: Wage rate per hour

TOTAL OPERATING COST PER HOUR

Operating cost per unit: If acres, bushels, or tons divide total operating cost per hour by acres, bushels, or tons per hour (B) \$

C. Total estimated ownership and operating cost per unit (A+B) (C) \$

D. Increase C by 10 to 15% to cover risk, uncertainty, moving from job to job, and profit margin (D) \$

E. Custom rate per unit (C+D) (E) \$

*Interest on declining balance basis.

†The addition of 15% to gasoline cost is for oil, grease, and minor maintenance.

Table 1. Custom Rates Paid for Preharvest Farm Operations, South Dakota

OPERATION (Unit is acres)	STATE			AREA 1			AREA 2A			AREA 2B			AREA 3A			AREA 3B			AREA 4A			AREA 4B		
	Av. (and no. of rpts.)	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range
TILLAGE	(dollars)			(dollars)			(dollars)			(dollars)			(dollars)			(dollars)			(dollars)			(dollars)		
Plowing																								
Stubble-cornstalks	3.58 (42)	3.50	2.50 - 5.00	4.00	3.50	3.00 - 5.00	3.30	3.50	2.50 - 4.00	3.25	3.00	3.00 - 3.50	3.58	4.00	3.00 - 4.00	3.46	3.50	2.50 - 4.00	3.45	3.50	3.00 - 3.75	3.75	3.50	3.00 - 4.50
Alfalfa	4.84 (41)	5.00	3.00 - 7.00	4.93	4.00	4.00 - 7.00	4.33	5.00	3.50 - 5.00	4.12	4.25	3.00 - 5.00	4.67	5.00	4.00 - 5.00	5.25	5.00	5.00 - 6.00	4.60	4.50	3.50 - 5.50	5.57	6.00	5.00 - 6.00
Sod	5.01 (35)	5.00	3.50 - 7.00	5.71	5.00	5.00 - 7.00	4.50	5.00	3.50 - 5.00	4.50	4.50	4.00 - 5.00	5.10	5.00	4.50 - 5.50	5.18	5.00	5.00 - 5.50	4.50	4.50	3.50 - 5.00	5.25	6.00	4.00 - 6.00
Plowing with pony press	4.36 (21)	4.50	3.00 - 6.00	6.00	6.00		4.13	5.00	3.00 - 5.00	4.00	4.50	3.00 - 4.50				4.33	4.50	4.00 - 4.50	4.30	4.25	3.50 - 5.00	4.83	5.00	4.50 - 5.00
Disking, tandem	1.57 (36)	1.50	1.00 - 2.50	1.57	1.50	1.25 - 2.00	1.60	1.50	1.00 - 2.50	1.33	1.50	1.00 - 1.75	1.38	1.50	1.00 - 1.50	1.95	1.75	1.75 - 2.50	1.51	1.75	1.25 - 1.75	1.71	1.50	1.35 - 2.50
Disking, single	1.18 (19)	1.00	1.00 - 2.00	1.25	1.25		1.50		1.00 - 2.00	1.00	1.00		1.08	1.00	1.00 - 1.25	1.19	1.25	1.00 - 1.25	1.06	1.00	1.00 - 1.25	1.25	1.00	1.00 - 1.75
Stalk shredding	1.75 (11)	1.50	1.00 - 3.00							3.00	3.00					1.42	1.50	1.25 - 1.50	1.92	1.75	1.00 - 3.00	1.56	1.50	1.00 - 2.25
Spiketooth harrowing	.84 (20)	.75	.50 - 1.50	.75	.75	.50 - 1.00	1.00	1.00	.75 - 1.25	.88		.75 - 1.00	.68		.60 - .75	.83	.75	.75 - 1.00	.83	.75	.75 - 1.00	.91	.75	.50 - 1.50
Springtooth harrowing	1.26 (19)	.75	.75 - 2.00	1.06	1.25	.75 - 1.25	1.75	1.75	1.50 - 2.00	1.13		.75 - 1.50				.88	.75	.75 - 1.25	1.50	1.75	1.00 - 1.75	1.42	1.50	1.25 - 1.50
Field cultivating	1.48 (24)	1.50	.75 - 2.25	1.20	1.50	.75 - 1.50	2.00	2.00	1.75 - 2.25	1.41	1.50	1.25 - 1.50	1.38		1.25 - 1.50	1.58	1.50	1.50 - 1.75	1.42	1.25	1.25 - 1.75	1.38	1.50	1.00 - 1.50
Chisel plowing	2.20 (23)	1.75	1.25 - 3.50	2.00	1.75	1.25 - 3.50	2.19	2.00	1.50 - 3.00	3.00	3.00		2.31	2.00	1.75 - 3.50	2.08	1.50	1.50 - 3.25				1.00	1.00	.75 - 1.25
Rotary hoeing	1.05 (21)	1.00	.75 - 1.75	.94	.75	.75 - 1.25	1.50		1.25 - 1.75	1.25		1.00 - 1.50	1.00	1.00	.75 - 1.25	.93		.85 - 1.00	1.00	1.00	.75 - 1.25	1.00	1.00	.75 - 1.25
Row cultivating	1.36 (28)	1.50	1.00 - 2.00	1.50		1.00 - 2.00	1.56	1.50	1.25 - 2.00	1.41	1.50	1.00 - 1.75	1.17	1.00	1.00 - 1.50	1.40	1.50	1.25 - 1.50	1.26	1.25	1.00 - 1.50	1.29	1.25	1.00 - 1.50
Surflex	1.58 (16)	1.50	1.00 - 2.50	1.45	1.50	1.00 - 2.00	1.70	1.50	1.00 - 2.50	1.75	1.75		1.58	1.50	1.25 - 2.00	1.50	1.50							
One way	2.04 (17)	2.00	1.25 - 3.00	1.92	1.75	1.50 - 2.50	2.58	2.50	2.25 - 3.00	2.25		2.00 - 2.50	1.88		1.25 - 2.50	1.75	1.75	1.50 - 2.00				2.00	2.00	
Rod weeder	1.25 (12)	1.50	.75 - 1.75	1.25	1.25	.75 - 1.75				1.25		1.00 - 1.50	1.50	1.50		.75	.75							
Noble blade	2.12 (15)	2.50	1.00 - 3.00	1.94	1.50	1.50 - 3.00	2.33	2.50	1.50 - 3.00	1.75		1.00 - 2.50	2.06	2.00	2.00 - 2.25	2.41	2.50	2.00 - 2.75						
PLANTING																								
Planting corn																								
40" rows	1.36 (31)	1.00	1.00 - 2.00	2.00	2.00		1.56	1.50	1.10 - 2.00	1.40	1.50	1.00 - 2.00	1.44	1.35	1.00 - 2.00	1.25	1.25	1.00 - 1.50	1.10	1.00	1.00 - 1.25	1.25	1.25	1.00 - 1.50
30" rows	1.54 (13)	1.25	1.00 - 3.00	3.00	3.00					1.44	1.50	1.00 - 2.00				1.25	1.25	1.00 - 1.50				1.50	1.25	1.25 - 2.00
Planting corn with fertilizer*																								
40" rows	1.66 (21)	1.50	1.25 - 2.50				1.76	1.75	1.30 - 2.25	1.92	2.00	1.25 - 2.50	1.50	1.50		1.66	1.50	1.50 - 2.00	1.45	1.50	1.25 - 1.75	1.63	1.50	1.25 - 2.00
30" rows	1.94 (9)	1.75	1.50 - 3.00							2.50		2.00 - 3.00				1.66	1.50	1.50 - 2.00				1.88	1.75	1.50 - 2.50
Planting corn with fertilizer & herbicide*																								
40" rows	2.03 (18)	2.00	1.50 - 2.50				2.00	2.00	1.50 - 2.50	2.50	2.50		1.75	1.75		2.25	2.25	2.00 - 2.50	1.75	2.00	1.50 - 2.00	1.90	2.00	1.50 - 2.25
30" rows	2.21 (7)	2.25	1.75 - 2.75							2.50	2.50					2.25	2.25					2.13	1.75	1.75 - 2.75
Planting soybeans																								
40" rows	1.23 (12)	1.00	1.00 - 2.00							2.00	2.00		1.00	1.00		1.08	1.00	1.00 - 1.25	1.08	1.00	1.00 - 1.25	1.45	1.25	1.00 - 2.00
30" rows	1.41 (6)	1.25	1.00 - 2.25							1.63		1.50 - 1.75	1.55	1.25	1.25 - 2.00	2.33	2.00	2.00 - 3.00				1.58	1.50	1.50 - 1.75
Planting soybeans with herbicide*																								
40" rows	1.66 (9)	1.75	1.25 - 2.00							1.88		1.75 - 2.00	1.75	1.50	1.50 - 2.00	1.41		1.25 - 1.50	1.44	1.50	1.25 - 1.50	1.37	1.00	1.00 - 2.00
30" rows	1.90 (5)	1.75	1.50 - 2.50							1.25	1.50	.75 - 1.50	1.25	1.25	1.00 - 2.00	1.25	1.25	1.00 - 1.50	1.12	1.00	1.00 - 1.25	1.07	1.00	.75 - 1.00
Listing with fertilizer	2.53 (10)	2.25	1.75 - 5.00													3.58	3.00	2.75 - 5.00				2.17	2.25	2.00 - 2.25
Listing without fertilizer	1.75 (13)	2.00	1.25 - 3.00													2.33	2.00	2.00 - 3.00				1.58	1.50	1.50 - 1.75
Drilling small grain with fertilizer	1.64 (31)	1.50	1.00 - 2.50	1.71	1.50	1.50 - 2.00	1.75	1.50	1.50 - 2.00	1.88		1.75 - 2.00	1.75	1.50	1.50 - 2.00	1.41		1.25 - 1.50	1.44	1.50	1.25 - 1.50	1.37	1.00	1.00 - 2.00
Drilling small grain without fertilizer	1.29 (36)	1.50	.75 - 2.00	1.46	1.50	1.00 - 2.00	1.52	1.00	1.00 - 2.00	1.25	1.50	.75 - 1.50	1.25	1.25	1.00 - 2.00	1.25	1.25	1.00 - 1.50	1.12	1.00	1.00 - 1.25	1.07	1.00	.75 - 1.00
Broadcast seeding	.61 (8)	.50	.25 - 1.00	.50	.50											.50		.25 - .75				.68	.50	.50 - 1.00
SPRAYING [†]																								
Mounted or trailer	1.13 (32)	1.00	.50 - 1.50	1.10	1.00	1.00 - 1.25	1.16	1.25	.90 - 1.30	1.06	1.00	1.00 - 1.25	1.05	1.00	1.00 - 1.25	1.33	1.50	1.00 - 1.50	1.12	1.25	.50 - 1.50	1.13	1.00	1.00 - 1.50
High clearance	1.29 (22)	1.25	.75 - 2.00				1.35	1.25	1.10 - 1.75	1.08	1.25	.75 - 1.25	1.15	1.25	1.05 - 1.25	1.31	1.50	.75 - 1.50	1.33	1.00	1.00 - 2.00	1.45	1.50	1.00 - 1.75
Aerial	1.37 (31)	1.25	1.00 - 2.00	1.26	1.15	1.00 - 1.60	1.34	1.50	1.00 - 1.50	1.21	1.25	1.00 - 1.35	1.20	1.25	1.00 - 1.25	1.31	1.50	1.25 - 1.50	1.53	1.75	1.25 - 1.75	1.69	1.50	1.50 - 2.00
FERTILIZER APPLICATION																								
Dry	.49 (34)	.50	.35 - .60	.44	.50	.35 - .50	.47	.50	.40 - .50	.50	.50	.50 - .50				.50	.50	.50 - .50	.50	.50	.50 - .50	.48	.50	.35 - .60
Liquid	.87 (21)	1.00	.50 - 1.50							.50	.50	.50 - .50				1.00	1.00	1.00 - 1.00	.92	1.00	.50 - 1.25	.98	1.00	.60 - 1.25
Anhydrous ammonia	1.35 (15)	1.50	1.00 - 1.75							1.19	1.25	1.00 - 1.25				1.00	1.00	1.00 - 1.00	1.33	1.25	1.25 - 1.50	1.50	1.50	1.25 - 1.75
Rate for applicator only																								
Dry	.26 (31)	.25	.10 - .40				.28	.25	.25 - .35	.22	.25	.10 - .25				.27	.25	.10 - .50	.29	.25	.20 - .40	.26	.30	.20 - .30
Liquid	.32 (13)	.25	.25 - .50							.25	.25	.25 - .25				.37	.35	.25 - .50				.35	.25	.25 - .50
Anhydrous ammonia	.41 (16)	.25	.25 - 1.00							.29	.25	.25 - .40				.42	.50	.25 - .50	.38	.40	.25 - .50	.56	.50	.25 - 1.00

*Fertilizer and/or herbicide furnished by farmer.

†Includes cost of 2,4-D material.

Table 2. Custom Rates Paid for Harvest and Miscellaneous Farm Operations, South Dakota

OPERATION	UNIT	STATE			AREA 1			AREA 2A			AREA 2B			AREA 3A			AREA 3B			AREA 4A			AREA 4B		
		Av. and no. of rpts.	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range	Av. rate	Most freq. rate	Range
HARVESTING FORAGE		(dollars)			(dollars)			(dollars)			(dollars)			(dollars)			(dollars)			(dollars)			(dollars)		
Mowing hay	acre	1.24 (33)	1.25	.75 - 1.75	1.32	1.25	1.00 - 1.50	1.56	1.75	1.25 - 1.75	1.50	1.50	1.00 - 1.50	1.20	1.25	1.00 - 1.25	1.33	1.25	1.25 - 1.50	.94	1.00	.75 - 1.00	1.10	1.00	1.00 - 1.25
Mowing and crushing	acre	1.77 (12)	1.50	1.25 - 2.75	1.75	1.75		1.75	1.75		2.50	2.50		1.50	1.50		1.50	1.50		1.33	1.25	1.25 - 1.50	2.25	2.25	1.50 - 2.75
Raking hay-straw	acre	.85 (24)	.75	.50 - 1.25	.85	.75	.50 - 1.25	.92	1.00	.75 - 1.00	1.00	1.00		.87	.85	.75 - 1.00	.90	1.00	.75 - 1.00	.66	.75	.50 - .75	.80	.75	.75 - 1.00
Swathing hay, self propelled	acre	1.46 (46)	1.50	1.00 - 3.00	1.86	1.50	1.50 - 2.50	1.44	1.25	1.25 - 2.00	1.50	1.25	1.25 - 1.75	1.33	1.25	1.25 - 1.50	1.16	1.25	1.00 - 1.25	1.42	1.25	1.25 - 1.75	1.75	1.50	1.25 - 3.00
Baling wire	bale	.125 (20)	.12	.10 - .16	.153	.15	.15 - .16				.13	.13	.12 - .14	.13	.13	.12 - .14	.12	.12	.10 - .14	.11	.11	.10 - .12	.13	.12	.11 - .15
twine	bale	.106 (48)	.10	.08 - .15	.14	.14	.12 - .15	.10	.10	.09 - .11	.107	.10	.10 - .12	.105	.10	.10 - .13	.089	.08	.08 - .10	.09	.08	.08 - .12	.11	.10	.10 - .12
round	bale	.102 (20)	.10	.08 - .13	.114	.11	.10 - .13	.09	.09		.10	.10	.09 - .11	.093	.10	.08 - .10				.10	.10	.08 - .12	.10	.10	.09 - .12
Field chopping with wagons and blower																									
corn-sorghum	hour	13.38 (30)	12.00	6.00 - 20.00	20.00	20.00		14.50	14.50		12.85	14.00	8.00 -16.00	15.30	16.00	8.00 -20.00	10.50	12.00	6.00 -12.00	14.00	14.00	12.00 - 16.00	12.31	12.00	10.00 - 16.00
corn-sorghum	acre	7.23 (14)	8.00	5.75 - 9.00	7.50		6.50 - 8.50	6.96	8.00	5.75 - 8.00	5.00	5.00		8.66	9.00	8.00 - 9.00									
Haylage	hour	13.58 (18)	12.00	10.00 - 20.00	20.00	20.00					16.00	16.00		16.00	16.00		10.00	10.00		14.40	15.00	12.00 - 16.00	12.56	12.00	10.00 - 16.00
Haylage	acre	5.83 (3)		3.50 - 9.00				4.25		3.50 - 5.00				9.00	9.00										
HARVESTING GRAIN																									
Picking com	acre	4.17 (39)	4.00	3.00 - 7.00	6.00	7.00	4.00 - 7.00	4.31	4.00	3.25 - 6.00	3.66	3.50	3.50 - 4.00	3.57	4.00	3.00 - 4.00	3.88	4.00	3.50 - 4.00	3.66	4.00	3.00 - 4.00	3.61	3.50	3.00 - 4.00
Picker shelling	acre	4.92 (27)	5.00	4.00 - 6.00	5.00	5.00		5.00	5.00		5.10	5.00	4.50 - 6.00	4.38	4.00	4.00 - 5.00	5.16	5.00	5.00 - 5.50	4.92	5.00	4.50 - 5.00	5.00	5.00	4.00 - 6.00
Combining com																									
40" rows	acre	5.11 (33)	5.00	4.00 - 7.00	6.50		6.00 - 7.00	5.00	5.00		5.08	5.00	4.50 - 6.00	4.72	5.00	4.00 - 5.00	5.00	5.00		4.88	5.00	4.50 - 5.00	5.31	5.50	4.50 - 6.00
30" rows	acre	5.75 (10)	5.00	5.00 - 6.00				6.00	6.00		6.00	6.00					5.00	5.00					5.42	5.50	5.00 - 6.00
Swathing small grain	acre	1.33 (50)	1.25	1.00 - 2.00	1.58	1.25	1.25 - 2.00	1.34	1.25	1.25 - 2.00	1.21	1.00	1.00 - 1.50	1.25	1.25	1.00 - 1.50	1.15	1.25	1.00 - 1.25	1.42	1.25	1.25 - 1.75	1.42	1.25	1.25 - 1.50
Combining																									
Oats, no hauling	acre	3.69 (52)	3.50	3.00 - 4.50	3.78	4.00	3.00 - 4.50	3.71	3.50	3.50 - 4.50	3.79	3.50	3.50 - 4.50	3.50	3.50	3.00 - 4.25	3.70	3.50	3.50 - 4.00	3.47	3.50	3.00 - 4.00	3.91	4.00	3.50 - 4.25
Wheat-barley,* no hauling	acre	3.79 (52)	3.50	3.00 - 4.50	4.00	3.50	3.50 - 4.50	3.63	3.50	3.50 - 4.00	3.79	3.50	3.50 - 4.50				3.88	3.50	3.50 - 4.00	3.42	3.50	3.00 - 3.50	4.13	4.00	2.50 - 5.00
Flax, no hauling	acre	3.92 (26)	3.50	3.00 - 5.00				3.70	3.50	3.50 - 4.00	3.93	3.50	3.50 - 5.00	4.12	5.00	3.00 - 5.00				3.79	3.50	3.50 - 4.50			
Legume seed, no hauling	acre	4.26 (16)	3.50	3.00 - 6.00	4.50		4.00 - 5.00	3.50	3.50		3.83	3.50	3.50 - 4.00	4.70	6.00	3.00 - 6.00	3.50	3.50		4.75	4.50	4.00 - 5.00			
Soybeans-grain sorghum no hauling	acre	4.07 (23)	4.00	3.50 - 6.00	4.25		3.50 - 5.00				3.66	3.50	3.50 - 4.00	4.19	4.00	3.50 - 6.00	4.16	4.00	4.00 - 4.50	3.83	4.00	3.50 - 4.00			
MISCELLANEOUS																									
Boring postholes	hole	.14 (13)	.10	.10 - .30	.125		.10 - .15	.22		.10 - .30				.10	.10		.14	.12	.10 - .20	.10	.10				
Loading manure	hour	4.62 (12)	3.50	2.50 - 5.00	2.50	2.50		4.33	4.00	4.00 - 5.00							3.50	3.50		2.50	2.50				
Stack moving																									
one mile	stack	5.97 (44)	5.00	4.00 - 8.00	5.93	5.00	5.00 - 7.50	5.50	5.00	5.00 - 8.00	6.00	6.00	5.00 - 7.00	5.22	5.00	4.00 - 6.00	6.60	6.00	6.00 - 7.50	6.00	6.00	5.00 - 7.00	7.50	7.50	7.00 - 8.00
additional over one mile	stack	.90 (39)	1.00	.20 - 1.00	.92	1.00	.50 - 1.00	.88	1.00	.50 - 1.00	1.00	1.00		1.00	1.00		.70	.50	.50 - 1.00	.80	1.00	.20 - 1.00	1.00	1.00	
Feed Processing																									
Mobile Mill	ton	1.98 (7)	2.00	1.20 - 2.20							2.00	2.00	2.00 - 2.00				2.17	2.00	2.00 - 2.50				1.80	2.00	1.20 - 2.20
Grind & Mix (at mill)	cwt.	.119 (35)	.10	.07 - .18	.143	.15	.10 - .17				.133	.15	.07 - .18				.111	.10	.08 - .15	.124	.12	.10 - .15	.110	.10	.10 - .13
Grind & Mix (delivered to farm)	cwt.	.163 (21)	.15	.13 - .25							.210	.20	.17 - .25				.148	.13	.13 - .20	.176	.180	.130 - .225	.152	.150	.130 - .180
Clean and treat small grain	bu.	.095 (32)	.10	.04 - .15	.140	.14	.13 - .15	.110	.11	.10 - .12	.105	.10	.06 - .14							.108	.13	.05 - .15	.05	.05	.04 - .07
Corn drying		Cost for drying down to 15.5% moisture												Costs for drying down to 15.5% moisture											
Initial moisture content																									
20.5	bu.	.061 (33)	.050	.038 - .100							.055	.055	.050 - .065				.056	.050	.050 - .068	.073	.070	.050 - .100	.065	.050	.038 - .100
25.5	bu.	.105 (33)	.100	.075 - .200							.097	.100	.080 - .105				.107	.100	.085 - .143	.098	.100	.095 - .100	.109	.100	.075 - .200
30.5	bu.	.152 (33)	.152	.100 - .300							.138	.155	.105 - .155				.157	.150	.110 - .218	.132	.145	.100 - .150	.161	.150	.113 - .300

*An additional charge of \$.05 per bushel over 20-bushel yield is common in areas 1, 2A, and 2B. Additional hauling charges of \$.03 to .06 per bushel, depending upon distance, were frequently reported.